

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

- 1           1. (Currently amended) An apparatus for playing back data stored on an information recording medium, the data having audio information, visual information, or audio-visual information, the data containing a watermark, the apparatus comprising:
  - 4                 a reproduction processing circuit configured to receive the information that is stored on the information recording medium to produce the data; and
  - 6                 playback circuitry comprising:
    - 7                 \_\_\_\_\_ a data store configured to receive a subset of the data;
    - 8                 \_\_\_\_\_ a detecting circuit coupled to the data store and configured to process data contained therein to produce a detection result, the detection result being based on the watermark; and
    - 11                 \_\_\_\_\_ a control circuit configured to selectively output the data based on the detection result.
- 1           2. (Previously presented) The apparatus of claim 1 further comprising a data selection circuit configured to select a first subset of the data, the data selection circuit coupled to deliver the first subset to the data store, wherein the detecting circuit processes the first subset.
- 1           3. (Previously presented) The apparatus of claim 2 wherein the capacity of the data store is equal to or greater than the minimum size of the first subset.
- 1           4. (Previously presented) The apparatus of claim 2 wherein the detecting circuit is further configured to produce a signal indicating the completion of processing of the first subset, wherein the selection circuit selects, in response to the signal, a second subset of the data, and wherein the second subset replaces the first subset.

1               5. (Previously presented) The apparatus of claim 2 wherein the detecting  
2 circuit is further configured to indicate that the first subset has been delivered to the data store,  
3 and wherein the selection circuit selects, in response thereto, a second subset from the data for  
4 delivery to the data store.

1               6. (Previously presented) The apparatus of claim 2 wherein the data is an  
2 ISO-MPEG 2 formatted data stream, and wherein the first subset is an I-picture.

1               7. (Original) The apparatus of claim 1 further including a data bus coupled  
2 only between the detection circuit and the control circuit, wherein the detection circuit produces  
3 a signal representative of the detection result, the signal being sent to the control circuit via the  
4 data bus.

1               8. (Original) The apparatus of claim 1 wherein the detection circuit produces  
2 a signal representative of the detection result, the detection circuit further configured to encode  
3 the signal using a decryption key, the control circuit further configured to receive the encoded  
4 signal and to decode the signal using the decryption key.

1               9. (Original) The apparatus of claim 1 wherein the detection circuit produces  
2 a signal representative of the detection result, wherein the detection circuit and the control circuit  
3 are further configured to exchange authentication data with each other, and wherein the detection  
4 circuit is further configured to deliver the signal to the control circuit when the detection circuit  
5 makes a positive determination that the control circuit is permitted to receive the signal.

1               10. (Original) The apparatus of claim 9 wherein the detection circuit is further  
2 configured to encode the signal using the authentication data, and the control circuit is further  
3 configured to receive the encoded signal and to decode the signal using the authentication data.

1               11. (Original) The apparatus of claim 1 wherein the detection circuit produces  
2 a first signal when processing of data in the data store produces the detection result a first  
3 predetermined number of times in succession, the control circuit selectively outputting the first  
4 data in response to the signal.

1               12. (Original) The apparatus of claim 11 wherein the detection circuit,  
2 subsequent to producing the first signal, produces a second signal when processing of data in the  
3 data store produces a second detection result a second predetermined number of times in  
4 succession, the control circuit selectively outputting the first data in response to the first and  
5 second signals.

1               13. (Original) The apparatus of claim 1 wherein the first data is ISO-MPEG 2  
2 formatted.

1               14. (Previously presented) The apparatus of claim 1 wherein the data store  
2 receives at least some of the data at a data rate equal to a data rate at which the reproduction  
3 processing circuit produces the data.

1               15. (Previously presented) The apparatus of claim 1 wherein the data store is  
2 further configured to output data contained therein at the same time it receives a subset of the  
3 data.

1               16. (Previously presented) The apparatus of claim 1 wherein the data store  
2 receives a subset of the data at a first data rate equal to a data rate at which the reproduction  
3 processing circuit produces the data,

4               wherein the detecting circuit is further configured to indicate a second data rate  
5 and the data store is further configured to output the data contained therein at the second data  
6 rate in response thereto.

1           17. (Original) The apparatus of claim 1 wherein the detecting circuit is further  
2 configured to receive data contained in the data store at a third data rate and process the data to  
3 produce a detection result at a fourth data rate, wherein the fourth data rate is equal to or greater  
4 than the third data rate.

1           18. (Currently amended) An apparatus for playing back data stored on an  
2 information recording medium, the data containing a watermark, the apparatus comprising:

3                 a reproduction processing circuit configured to receive information stored on the  
4 information recording medium to produce the data; and

5                 playback circuitry comprising:

6                 \_\_\_\_\_ a data store configured to receive a subset of the data;

7                 \_\_\_\_\_ a detecting circuit coupled to the data store and configured to process data  
8 contained therein to produce a detection result, the detection result being based on the  
9 watermark; and

10                 \_\_\_\_\_ a control circuit configured to selectively output the first data based on the  
11 detection result and the type of the information recording medium.

1           19. (Currently amended) A method in a playback device for playing back  
2 data, the data having audio information, visual information, or audio-visual information, the data  
3 containing a watermark, the method comprising:

4                 receiving the data from the information recording medium;

5                 a playback component of the playback device storing the data in a data store;

6                 the playback component producing a detection result by processing data in the  
7 data store, the detection result based on the watermark; and

8                 the playback component selectively outputting the data based on the detection  
9 result.

1           20. (Original) The method of claim 19 wherein selectively outputting is  
2 further based on the type of the data source.

1               21. (Currently amended) An apparatus for playing back data having audio  
2 information, visual information, or audio-visual information, the data containing a watermark,  
3 the apparatus comprising:

4               first means for providing the data from an information recording medium; and  
5               a playback component comprising:

6               \_\_\_\_\_ second means, coupled to the first means, for storing a subset of the first  
7 data;

8               \_\_\_\_\_ third means for producing a detection result, including means for  
9 processing data stored in the second means; and

10              \_\_\_\_\_ fourth means, operatively coupled to the third means, for outputting the  
11 data based on the detection result.

1               22-28. (Canceled)

1               29. (Currently amended) An apparatus for playing back data having audio  
2 information, visual information, or audio-visual information, the data containing a watermark  
3 and stored in an information storage medium, the apparatus comprising:

4               a reproduction processing circuit configured to receive information stored on the  
5 information recording medium; and to reproduce the data including the watermark;  
6               playback circuitry to reproduce the data containing the watermark, the playback  
7               circuitry comprising:

8               \_\_\_\_\_ a detecting circuit configured to detect the watermark;

9               \_\_\_\_\_ a data selection circuit configured to select a subset of the data which is  
10 necessary for the detection of the watermark;

11              \_\_\_\_\_ a data store configured to store the subset; and

12              \_\_\_\_\_ a reproduction control circuit configured to control the reproduction of the  
13 data, depending upon a result of the detection of the watermark by the detecting circuit,  
14              \_\_\_\_\_ wherein the data store is shared by the reproduction processing circuit and  
15 the detecting circuit.

1           30. (Previously presented) The apparatus of claim 1, wherein the watermark  
2 represents copyright protection information on the data.

1           31. (Previously presented) The apparatus of claim 18, wherein the watermark  
2 represents copyright protection information on the data.

1           32. (Previously presented) The apparatus of claim 21, wherein the watermark  
2 represents copyright protection information on the data.